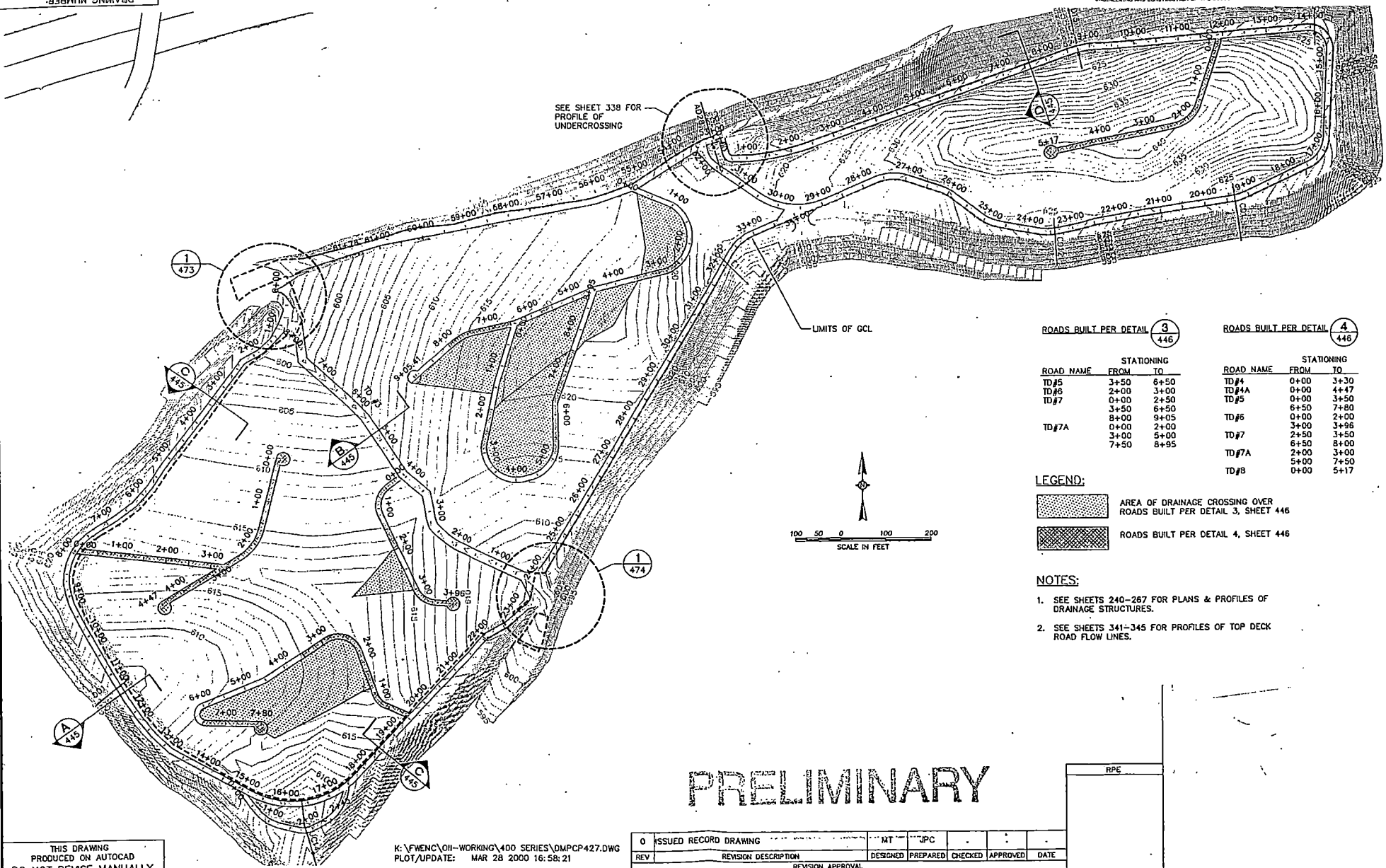


## **APPENDIX C**

### **Example Drawings for an Arizona Crossing"**



ROADS BUILT PER DETAIL 3  
446

ROAD NAME	STATIONING FROM	TO
TD#5	3+50	6+50
TD#6	2+00	3+00
TD#7	0+00	2+50
	3+50	6+50
	8+00	9+05
TD#7A	0+00	2+00
	3+00	5+00
	7+50	8+95

ROADS BUILT PER DETAIL 4  
446

ROAD NAME	STATIONING FROM	TO
TD#4	0+00	3+30
TD#4A	0+00	4+47
TD#5	0+00	3+50
	6+50	7+80
TD#6	0+00	2+00
	3+00	3+96
TD#7	2+50	3+50
TD#7A	6+50	8+00
	2+00	3+00
TD#8	5+00	7+50
	0+00	5+17

LEGEND:

- AREA OF DRAINAGE CROSSING OVER  
ROADS BUILT PER DETAIL 3, SHEET 446
- ROADS BUILT PER DETAIL 4, SHEET 446

NOTES:

- SEE SHEETS 240-267 FOR PLANS & PROFILES OF DRAINAGE STRUCTURES.
- SEE SHEETS 341-345 FOR PROFILES OF TOP DECK ROAD FLOW LINES.

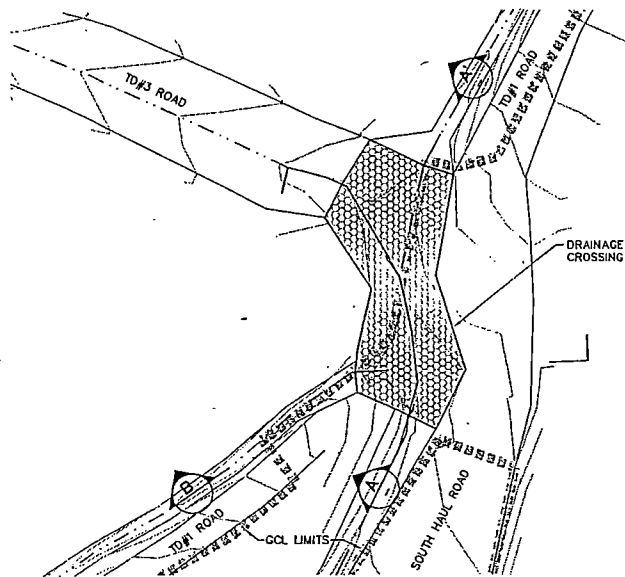
PRELIMINARY

THIS DRAWING  
PRODUCED ON AUTOCAD  
DO NOT REVISE MANUALLY

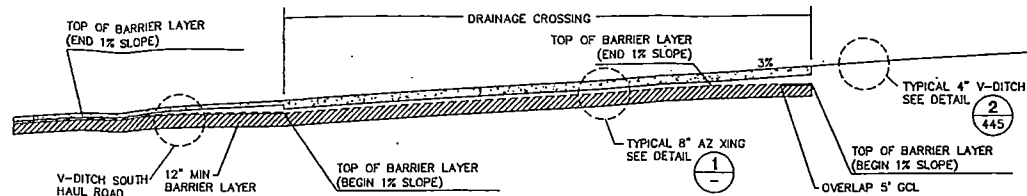
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REV	REVISION DESCRIPTION	DESIGNED	PREPARED	CHECKED	APPROVED	DATE

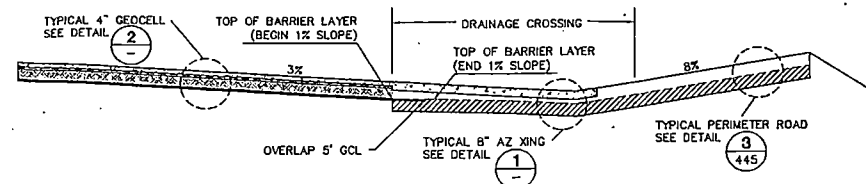
RPE



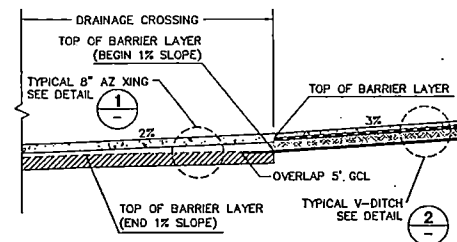
PLAN DRAINAGE CROSSING  
SOUTH HAUL ROAD, TD#1, AND TD#3  
SCALE 1" = 20'



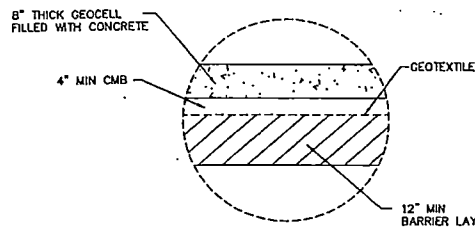
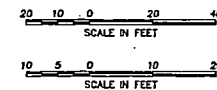
DRAINAGE CROSSING  
SCALE 1" = 10'



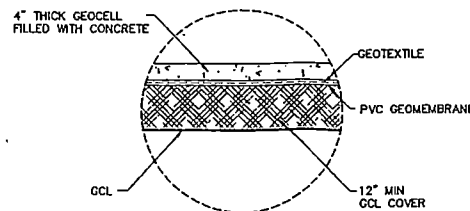
DRAINAGE CROSSING  
SCALE 1" = 10'



DRAINAGE CROSSING  
SCALE 1" = 10'



DETAIL 1 - TYPICAL 8" DRAINAGE CROSSING  
NTS



DETAIL 2 - TYPICAL 4" V-DITCH  
NTS

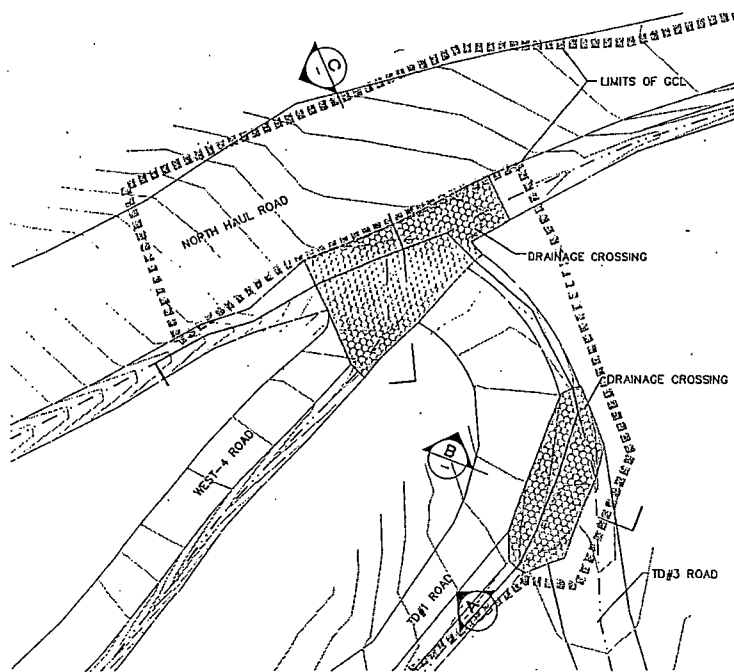
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THIS DRAWING  
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DO NOT REVISE MANUALLY

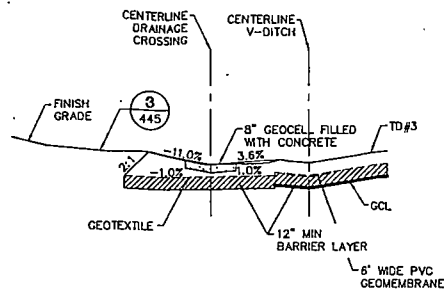
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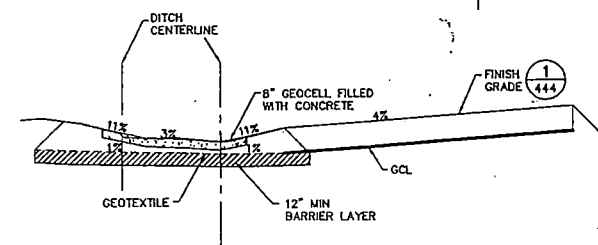
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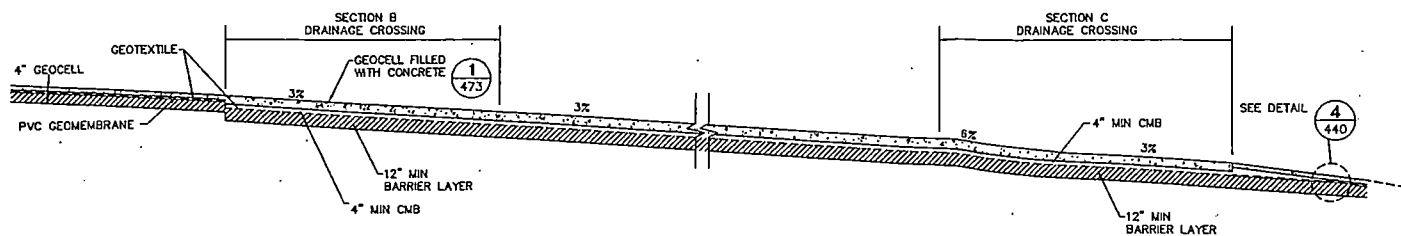
PLAN DRAINAGE CROSSING  
NORTH HAUL ROAD, TD#1, + TD#3  
SCALE 1" = 20'



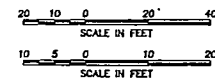
DRAINAGE CROSSING  
SCALE 1" = 10'



DRAINAGE CROSSING  
SCALE 1" = 10'



FLOW LINE PROFILE  
SCALE 1" = 10'



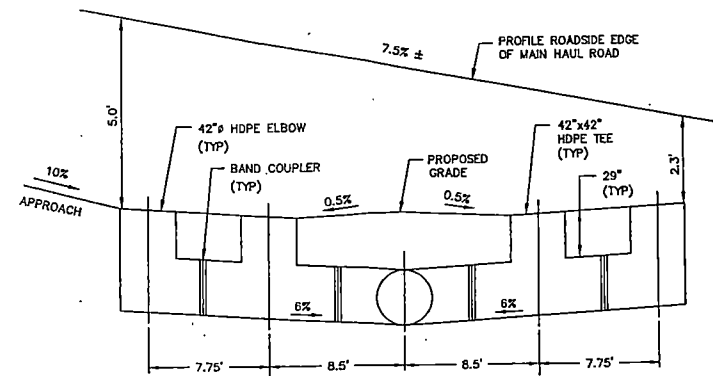
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DO NOT REVISE MANUALLY

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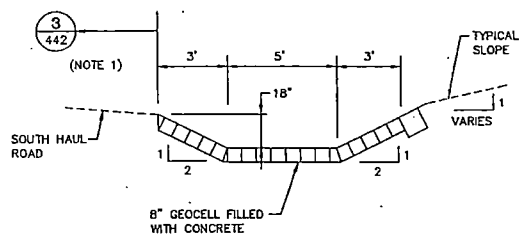
PRELIMINARY

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REV	REVISION DESCRIPTION	DESIGNED	PREPARED	CHECKED	APPROVED	DATE	

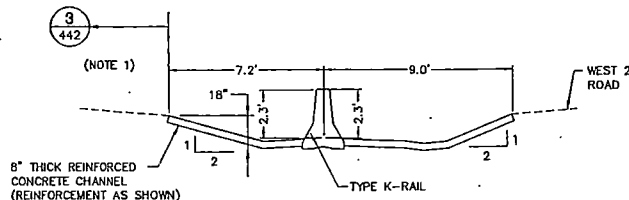
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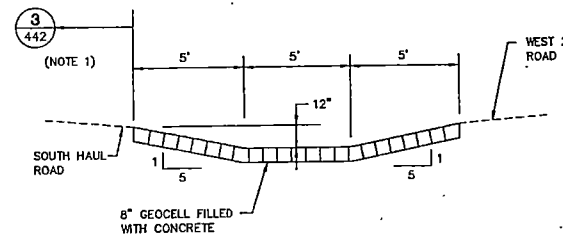
SECTION A  
NTS



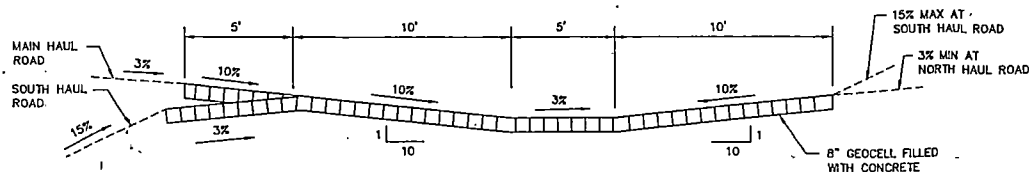
SECTION B  
NTS



SECTION C  
NTS



SECTION D  
NTS



TYPICAL ARIZONA CROSSING  
NTS

- 600 BENCH AND SOUTH HAUL ROAD CROSSING
  - IGUALA ROAD AND SOUTH HAUL ROAD CROSSING
  - NORTH HAUL ROAD AND MAIN HAUL ROAD CROSSING
  - CROSS SLOPE • SOUTH HAUL ROAD EQUAL TO 3%
  - CROSS SLOPE • MAIN HAUL ROAD EQUAL TO 6%
- NOTE: REFER TO EACH ROAD CROSS SECTION FOR APPROPRIATE MATERIALS.

NOTES:

1. SECTIONS B, C & D REQUIRES GEOTEXTILE, GEOMEMBRANE AND LOW PERMEABILITY LAYER SIMILAR TO STANDARD V-DITCHES SEE SHEET 442.

PRELIMINARY

THIS DRAWING  
PRODUCED ON AUTOCAD  
DO NOT REVISE MANUALLY

K:\FWENC\OIL-WORKING\2000 SERIES\DWCS230.DWG  
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0	ISSUED FOR CONSTRUCTION	MT	DH	CH	MDC	1/5/98
REV	REVISION DESCRIPTION	DESIGNED	PREPARED	CHECKED	APPROVED	DATE

\*REVISION APPROVAL

RPE

## **APPENDIX D**

### **Rough Order of Magnitude Cost for "Arizona Crossing" Installation**

**Tetra Tech - FW (formerly Foster Wheeler Environmental Inc.)**

Rough Order of Magnitude (ROM) - Construct Access Road (Arizona Crossing)

Boyertown Landfill - Gilbertsville, PA

\*\*\*\*\*

Tasks			Unit	Quantity	Extended Cost		
1	Site Plans & Submittals	\$	5,698	LS	1	\$5,698	
2	Site Preparations, Procurements & Meeting	\$	11,692	LS	1	\$11,692	
3	Mobilization & Site SetUp	\$	6,189	LS	1	\$6,189	
4	Site Work	\$	86,818	LS	1	\$86,818	
9	Demobilization	\$	1,379	LS	1	\$1,379	
10	Final Site Submittal	\$	2,238	LS	1	\$2,238	
					TOTAL PRICE		\$114,014

**GENERAL ASSUMPTIONS**

- \* Scope & Assumptions
- \* Site Submittals include simple "Letter Type" Work Plan and Activity Hazard Analyses
- \* No Cost for Design, Permits and/or Clearing & Grubbing is included
- \* No field office will be mobilized.
- \* Initial Site Survey and Utility Clearance is needed.
- \* 2000 LF of access road will be prepared (@ 200 LF per day)
- \* Concrete "road cap" will be placed after the access road foundation materials are placed and compacted.
- \* TTFWI has included 12% fee throughout.